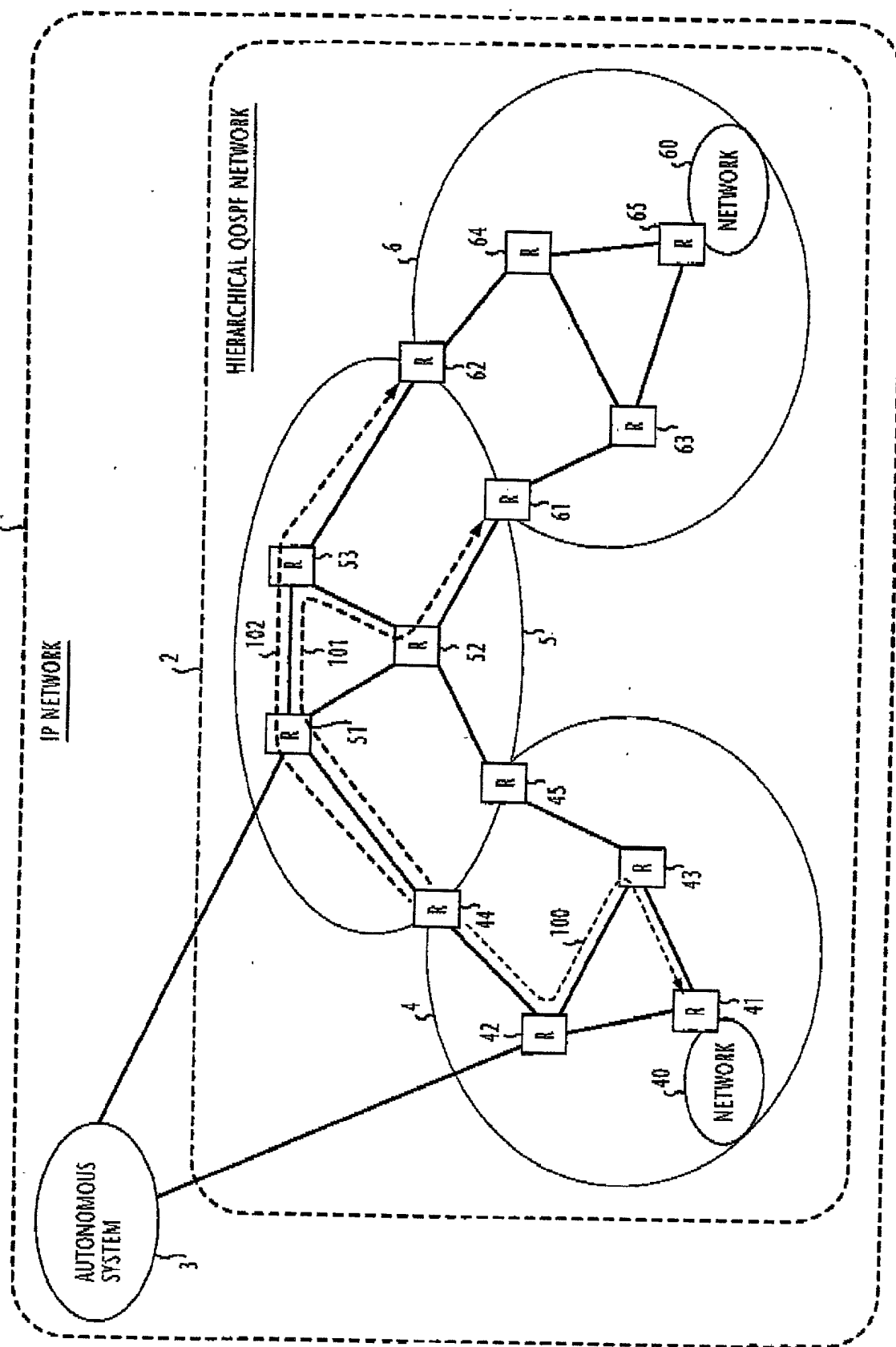


FIG. 1

Title: QoS-BASED SHORTEST PATH ROUTING
FOR A HIERARCHICAL COMMUNICATION

Inventor(s): Norihito FUJITA

DOCKET NO.: 017344/0316

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FIG. 2

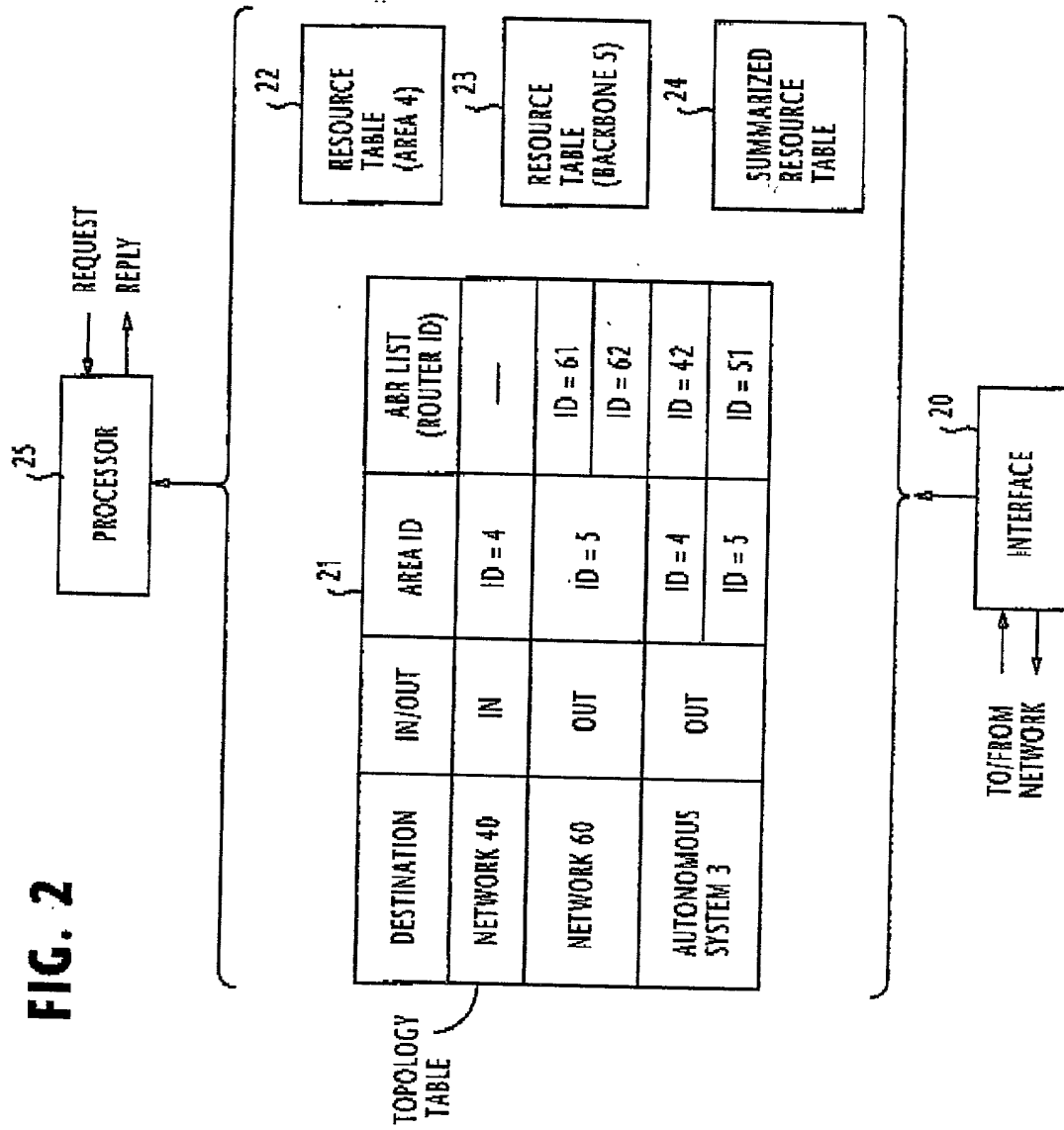


FIG. 3A

22

RESOURCE TABLE (AREA 4)		INCOMING				
OUTGOING		ROUTER 41	ROUTER 42	ROUTER 43	ROUTER 44	ROUTER 45
	ROUTER 41	—	20	20	—	—
	ROUTER 42	5	—	20	20	—
	ROUTER 43	20	20	—	—	20
	ROUTER 44	—	20	—	—	—
	ROUTER 45	—	—	20	—	—

(Mbps)

FIG. 3B

23

RESOURCE TABLE (BACKBONE 5)		INCOMING						
OUTGOING		R44	R45	R51	R52	R53	R54	R55
	ROUTER 44	—	—	20	—	—	—	—
	ROUTER 45	—	—	—	20	—	—	—
	ROUTER 51	20	—	—	10	20	—	—
	ROUTER 52	—	20	20	—	10	20	—
	ROUTER 53	—	—	20	20	—	—	20
	ROUTER 54	—	—	—	20	—	—	—
	ROUTER 55	—	—	—	—	20	—	—

(Mbps)

FIG. 3C

24

DESTINATION	ABR	HOP COUNT	AVAILABLE BANDWIDTH
NETWORK 60	ROUTER 61	3	30 Mbps
	ROUTER 62	3	10 Mbps

FIG. 4A

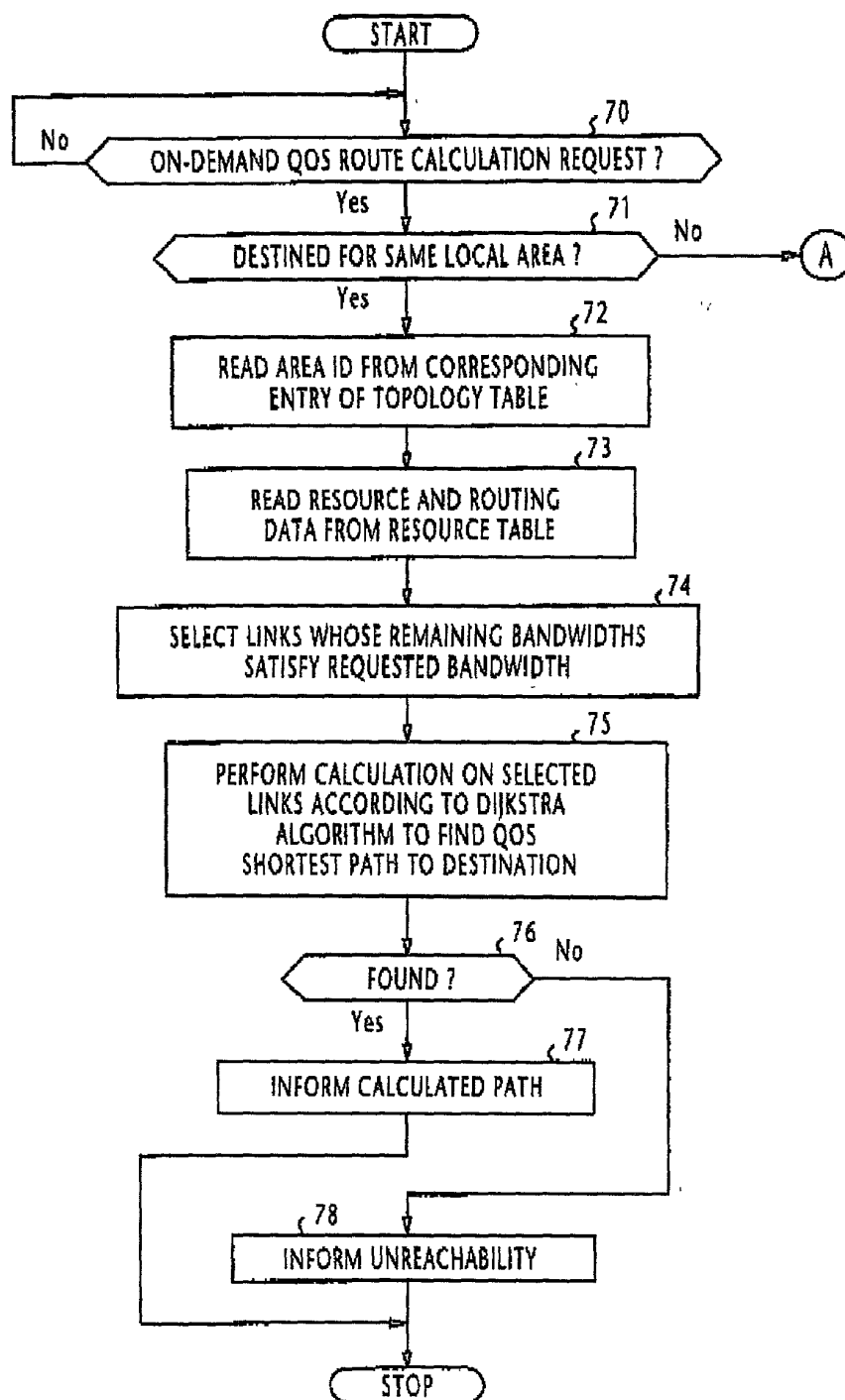


FIG. 4B

